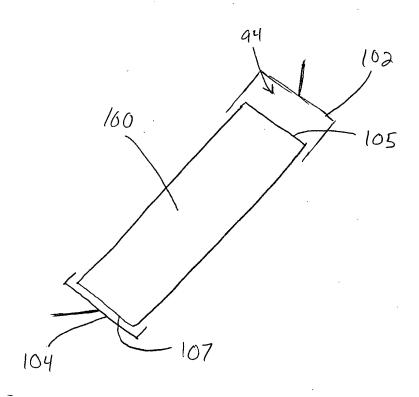


Fig. 2



al. DOCKET NO.: 065640-0210

106 110 128 126-118 112. 118-100 126 128 122 110

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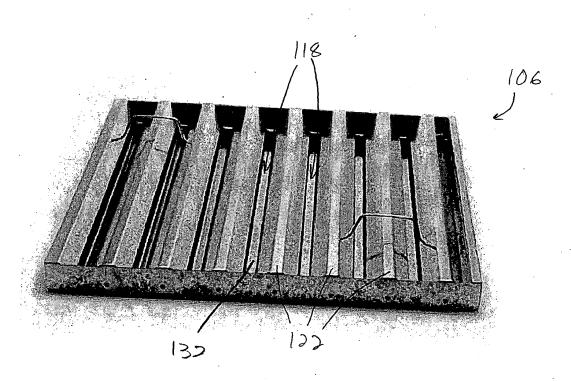
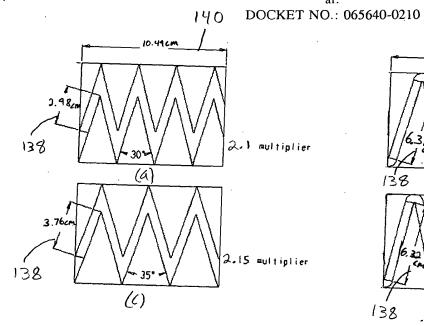
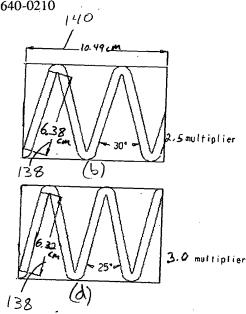
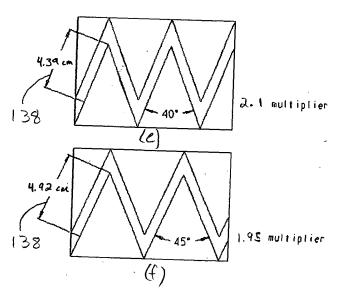


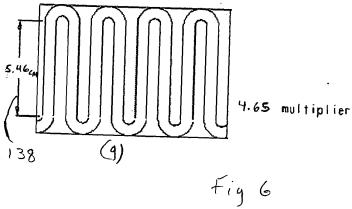
Fig. 5

al.









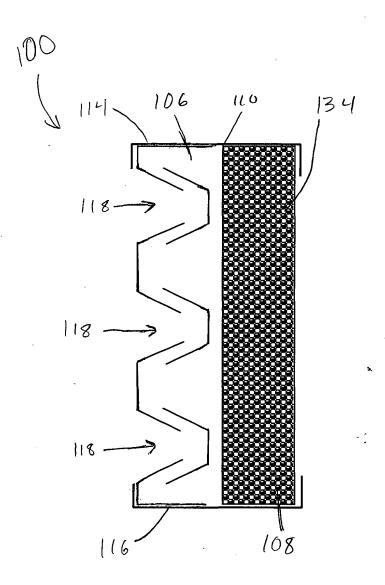


Fig. 7

al.

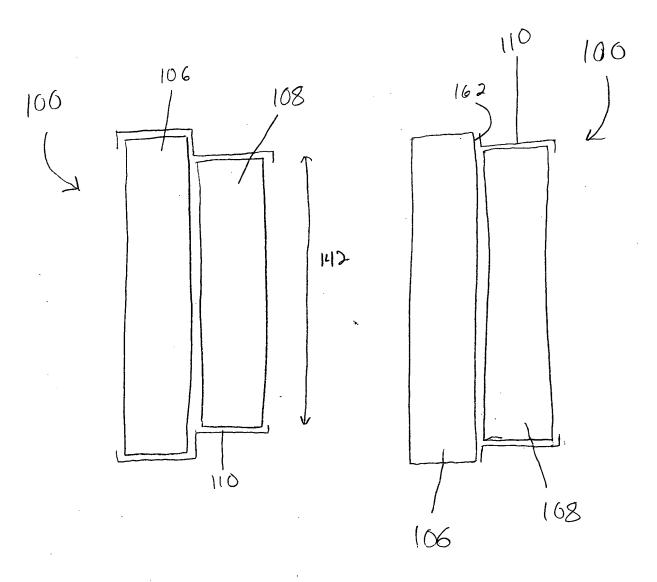
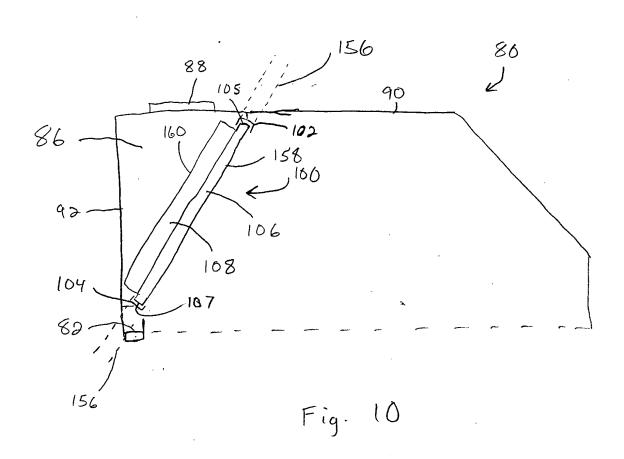
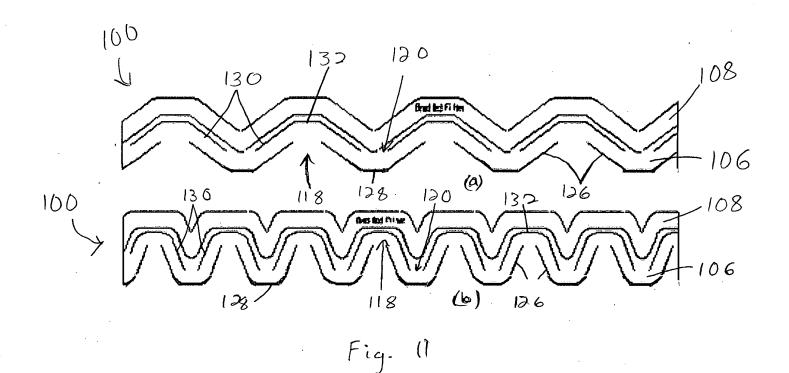


Fig. 8

Fig. 9





100 144 Fig. 12

al.

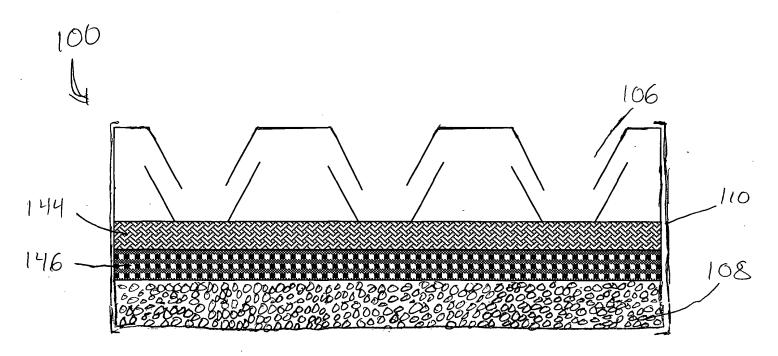


Fig. 13

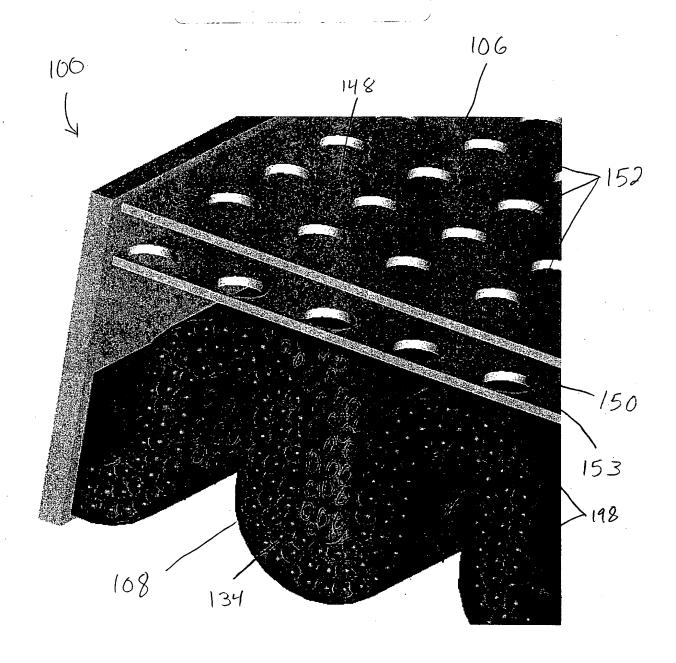


Fig. 14

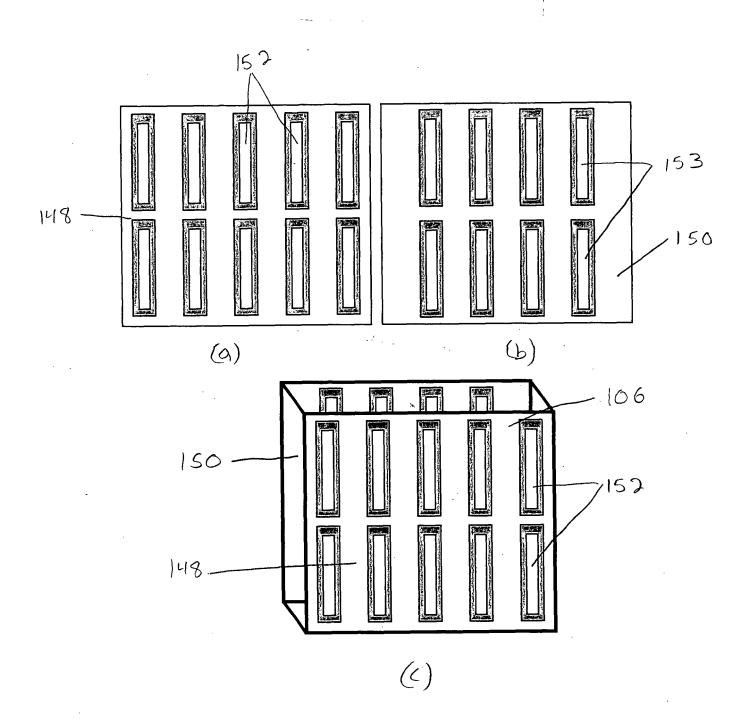


Fig. 15

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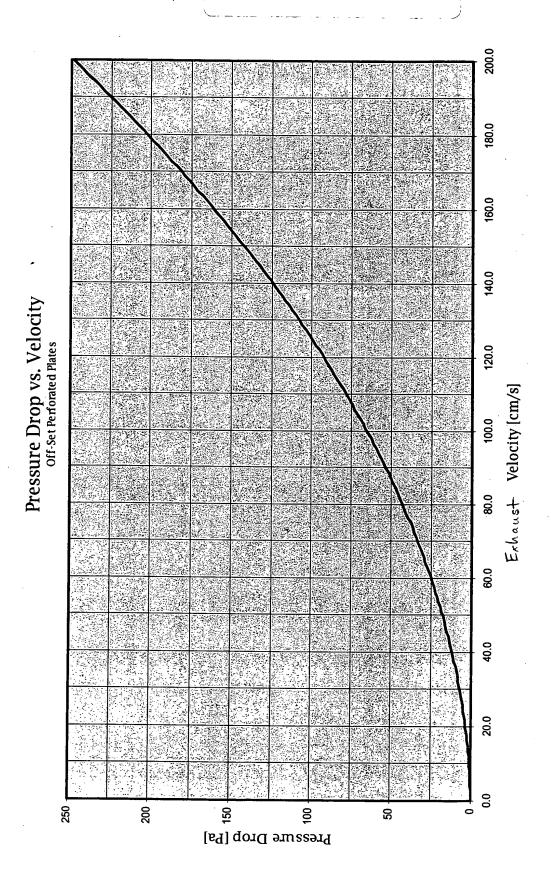
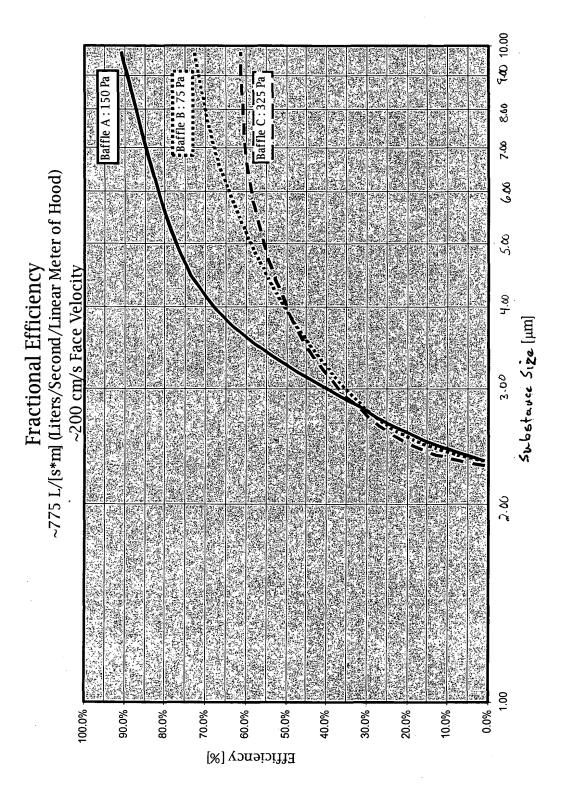


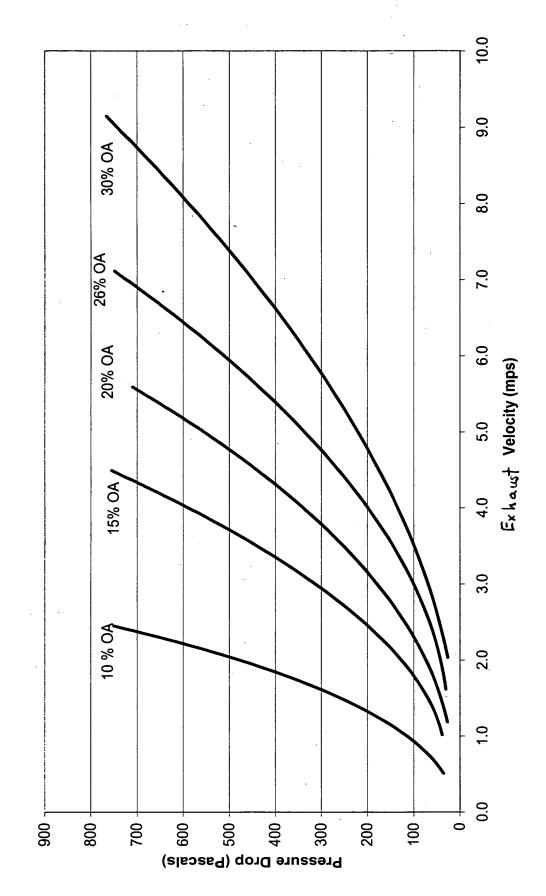
Fig. 16

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Pressure Drop Vs. Impact Velocity for Various Open Area Perforated **Plates** 



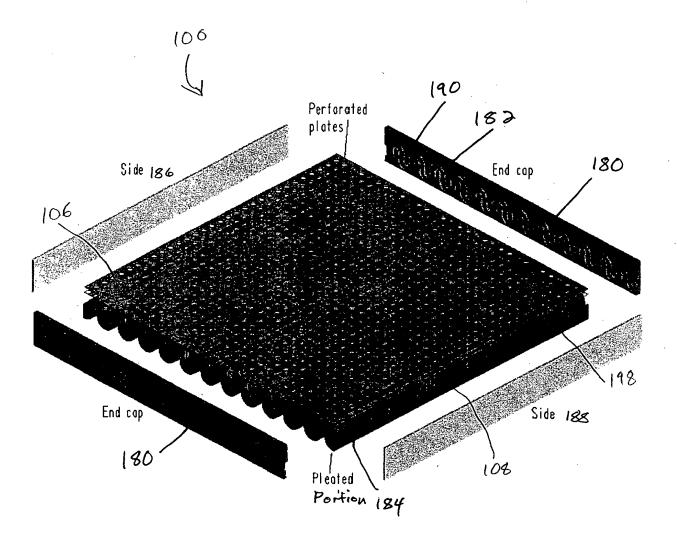


Fig. 19

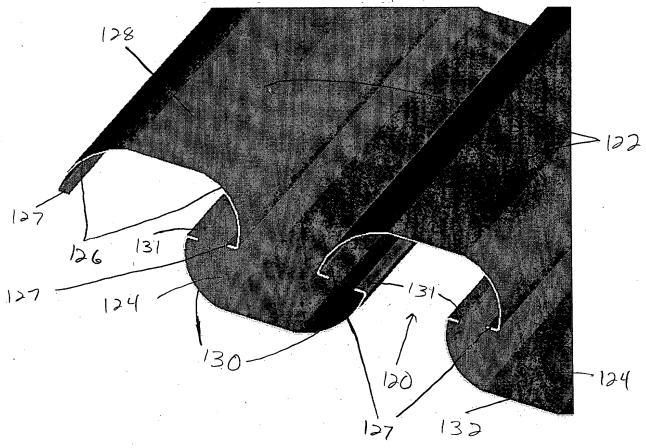
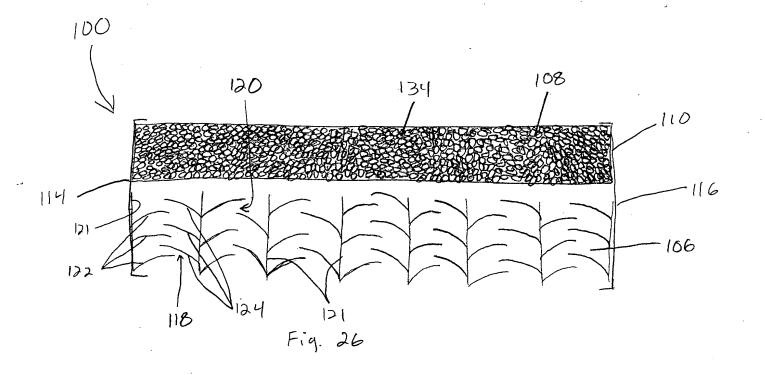


Fig. 20



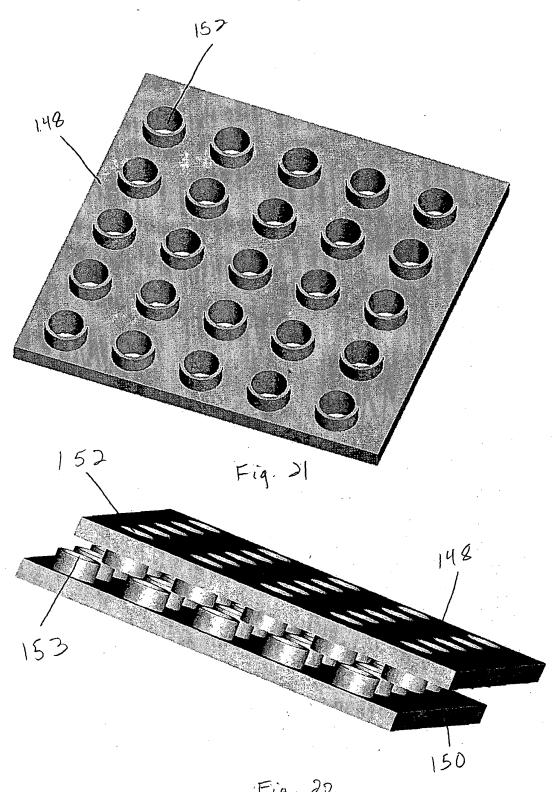


Fig. 22

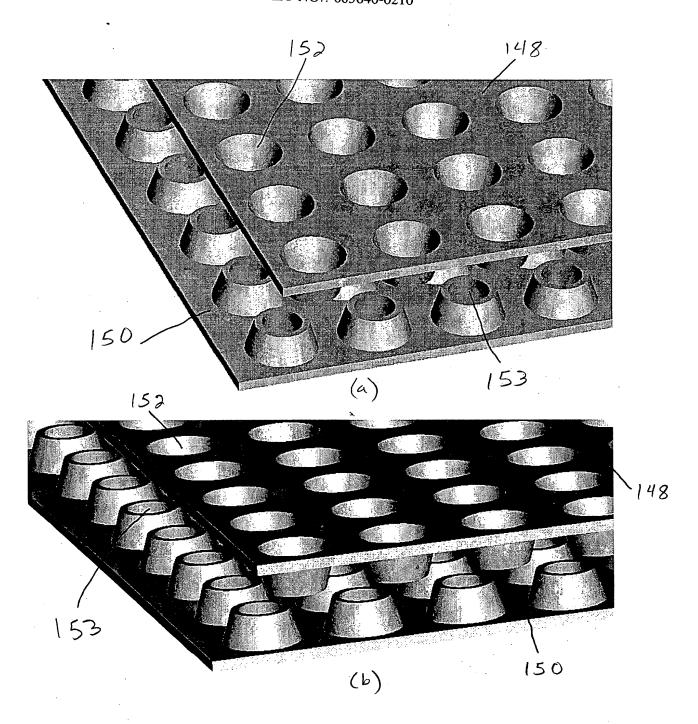


Fig. 23

al.

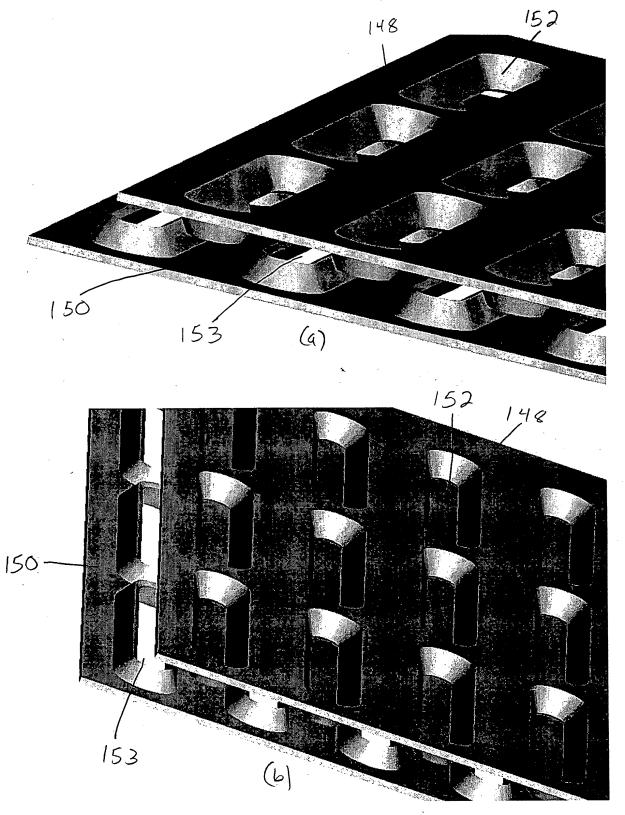
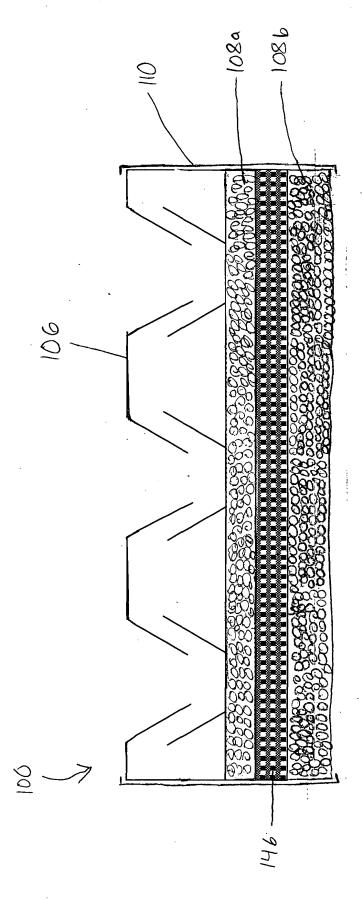
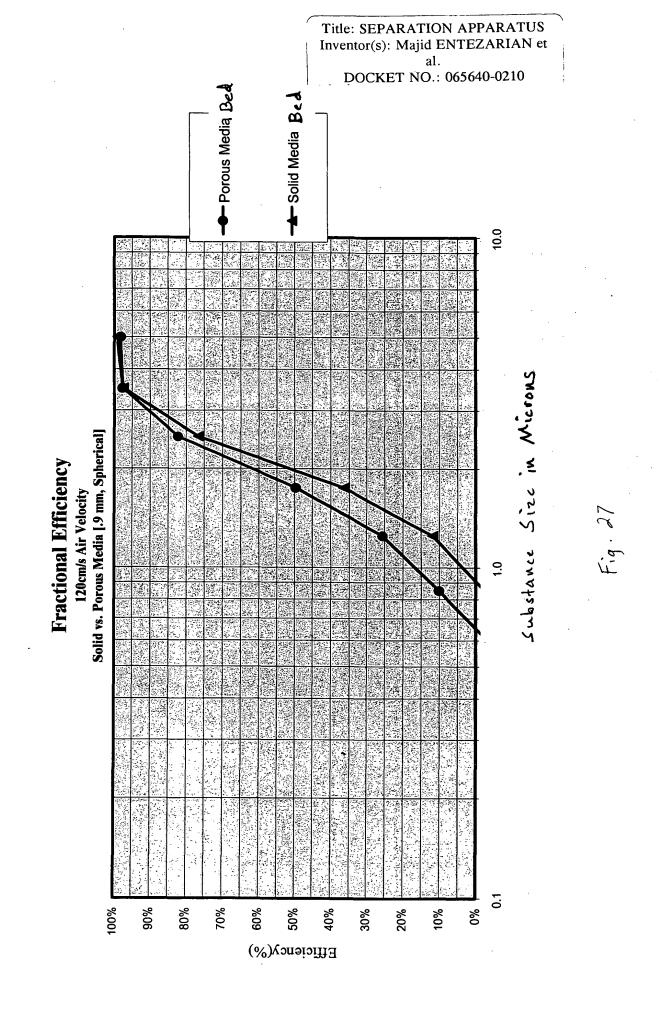
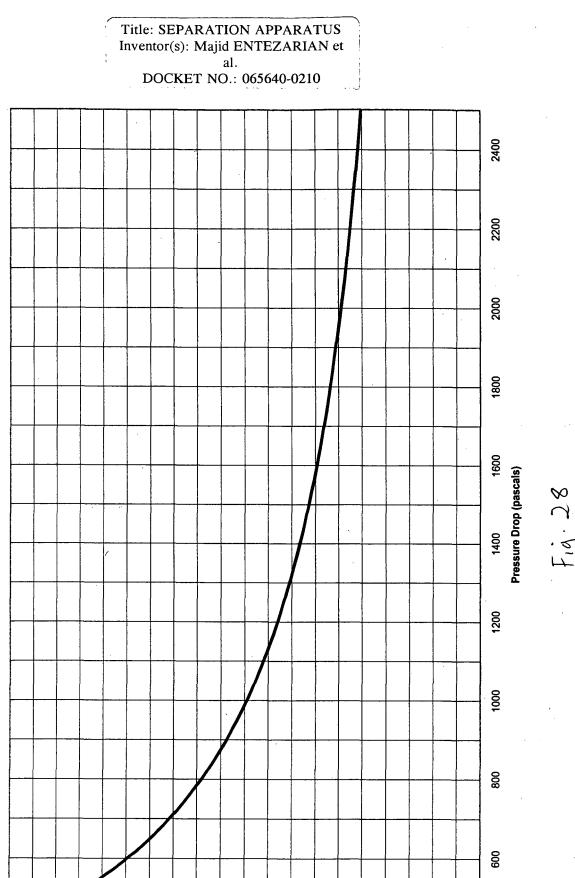


Fig. 24

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0.6

Sph re Size (mm)

0.4

400

Sphere Size Vs. Pressure Drop

1.6

4.

Title: SEPARATION APPARATUS Inventor(s): Majid ENTEZARIAN et al. DOCKET NO.: 065640-0210 Pressure Drop
Ratio
[Flat/Pleated]
for 1.3 mm
Media -1.3 mm Media, Pleated Bed Pressure Drop Ratio [Flat/Pleated] 250.0 200.0 150.0 Exhaust Velocity [cm/s] 100.0 50.0

-1.3 mm Media, Flat Bed

3.00

Pressure Drop vs. Duct Velocity
Pleated vs. Flat - 1.3 mm Media
2.2 Area Multiplier for Pleated Bed

2.2 ∆P Ratio Line

1200.0

900.0

0.009

Pressure Drop [Pa]

300.0

1500.0

Fig. 29

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106 152 6.35 mm 153 5.0 mm 148 3 mm 6.5 mm 3.17 mm 150 198 108 35 MM 6.35 mm 1.5 mm dio. beads. 134 Perforated plate .50 mm thick .83 mm hole dia. 25% open area

Fig. 30

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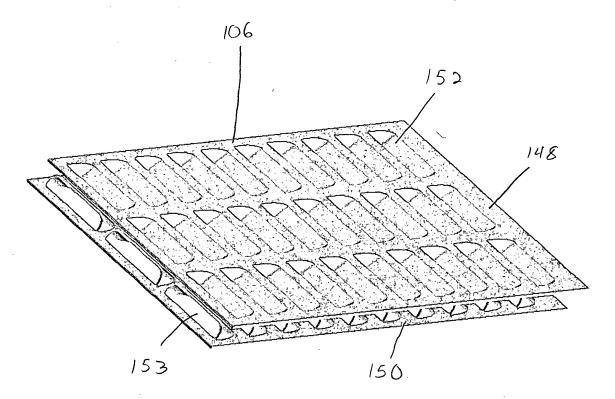


Fig. 31

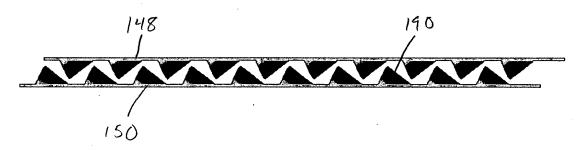
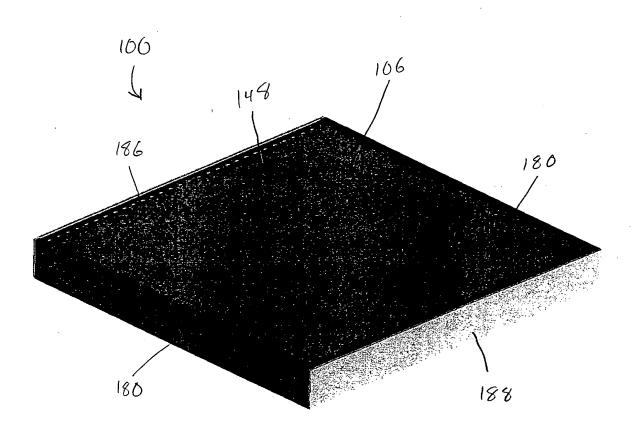


Fig. 32



. Fig. 33